Overview

Also Known As: jitterbug

These mice carry a recessive spontaneous mutation that is characterized by impaired hearing and vestibular dysfunction.

GENETIC OVERVIEW

Genetic Background   Generation
Mice homozygous for this spontaneous recessive mutation of the \textit{Clic5} gene exhibit impaired hearing and vestibular dysfunction. The jitterbug mutation is a 97 bp intragenic deletion that causes skipping of exon 5, which creates a translational frame shift and premature stop codon. CLIC5 protein is absent in tissues of homozygous mutant mice. Histological analysis of mutant inner ears reveals dysmorphic stereocilia and progressive hair cell degeneration. Radixin immunostaining appears reduced in hair bundles of jitterbug mutant mice.
Genotyping Protocols
Standard PCR: Clic5
Genotyping resources and troubleshooting

Citation
When using the jitterbug mouse strain in a publication, please cite the originating article(s) and include JAX stock #004965 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
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<td>Cryo Recovery</td>
<td>Heterozygous for Clic5&lt;jbg&gt;</td>
<td>$2,854.50</td>
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Terms Of Use

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